

## Message Text

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ORIGIN PM-03

INFO OCT-01 EUR-12 ISO-00 CIAE-00 INR-07 NSAE-00 SS-15

NSC-05 /043 R

DRAFTED BY AFXOXX:MAJ GRAY;PM/ISO:FJFLEMINGS

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OSD/ISA/FMRA:MR. GOLDSMITH

OSD/GC:MR. ALLEN

OSD/ISA/EUR:MR. ANNUNZIATA

EUR/NE:MR. CANNEY

----- 126061

R 262041Z MAR 75

FM SECSTATE WASHDC

TO AMEMBASSY COPENHAGEN

INFO SECDEF/DC/ISA/FMRA

CSAF/XOXXIF

SAMSO LOS ANGELES AFB/CA/SKA

ESD LGHANSCOM FLD/MA/DCK

4950 TEST WG WPAF OH/CC

AFSC ANDREWS AF MD/DOSF

C O N F I D E N T I A L STATE 068575

E.O. 11652: ADS DECLAS WHEN FOREIGN GOVERNMENTS HAVE

APPROVED THE RIGHTS REQUESTED HEREIN.

TAGS: MILI, OCLR, TGEN, GL

SUBJECT: REQUEST FOR OPERATING RIGHTS, AIR FORCE SATELLITE  
COMMUNICATIONS SYSTEM (AFSATCOM)

1. THE AIR FORCE SYSTEMS COMMAND (AFSC) IS WORKING  
TOWARD FUTURE RELIABLE COMMUNICATIONS FOR AIR FORCE UNITS  
BY USING A SERIES OF SATELLITE RELAYS. THIS SYSTEM,  
KNOWN AS THE AIR FORCE SATELLITE COMMUNICATIONS SYSTEM  
(AFSATCOM) IS NOW UNDERGOING TECHNICAL AND OPERATIONAL  
TESTING WHICH INCLUDES CHECKOUT AND EVALUATION OF THE  
PROTOTYPE AIRBORNE TERMINALS THAT ARE TO BE USED. TO  
SUCCESSFULLY ACCOMPLISH THE TESTING/EVALUATION A SERIES  
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OF FLIGHTS ARE NEEDED IN GREENLAND AIRSPACE TO INCLUDE

STAGING FROM THULE.

2. AN AIRBORNE TERMINAL WILL BE PLACED ABOARD A C-141A TEST AIRCRAFT (USAF SERIAL NUMBER 61-2779) WHICH WILL PROVIDE HALF DUPLEX TELETYPE COMMUNICATIONS WITH OTHER AIRBORNE OR GROUND TERMINALS THROUGH A SUITABLE COMMUNICATIONS SATELLITE. THE AIRBORNE TERMINAL ABOARD THE TEST AIRCRAFT WILL TRANSMIT AND RECEIVE FREQUENCY - SHIFT - KEYED DIGITAL INFORMATION IN THE MILITARY UHF SPECTRUM. AN EFFORT WILL BE MADE TO MEASURE THE EFFECTS OF IONOSPHERIC SCINTILLATION ON THE PERFORMANCE OF THE

AIRBORNE TERMINAL LOCATED ON THE TEST AIRCRAFT. ADDITIONALLY, TEST/EVALUATION DATA IS DESIRED TO CHARACTERIZE THE PERFORMANCE OF THE AIRBORNE TERMINAL IN THE OPERATIONAL ENVIRONMENT. FOR THIS REASON THE TERMINAL WILL BE OPERATED/TESTED OVER PORTIONS OF THE FLIGHT ROUTES WHICH MILITARY AIRLIFT COMMAND (MAC) USES ON A REGULAR BASIS.

3. AIRCREWS WILL CONSIST OF 27 MILITARY, U.S. GOVT. CIVILIAN, AND CIVILIAN CONTRACTOR PERSONNEL, ALL U.S. CITIZENS. ALL TEST EQUIPMENT WILL BE CARRIED INTERNALLY AND WILL NOT BE REMOVED WHILE AIRCRAFT IS ON THE GROUND. FLIGHTS WILL COMPLY WITH NORMAL AIR TRAFFIC CONTROL PROCEDURES AND THE REQUIREMENTS STATED IN DOD FLIP PLANNING DOCUMENT AND THE USAF FOREIGN CLEARANCE GUIDE. ADDITIONALLY, ALL TAKEOFFS AND LANDINGS WILL CONFORM TO LOCAL ESTABLISHED RULES CONCERNING NOISE ABATEMENT. RADIO FREQUENCY AUTHORIZATION WILL BE SOUGHT THROUGH ESTABLISHED CHANNELS SHOULD THIS REQUEST MEET WITH FAVORABLE CONSIDERATION.

4. THE FOLLOWING ITINERARY IS PROPOSED, ALL DATES JUNE 1975:

ARRIVE	STATION	DEPART	REMARKS
--	WRIGHT PATTERSON	4 JUNE	VIA AIRWAYS
--	AFB, OHIO		

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4 JUNE	THULE AB	2 HRS LOCAL WITHIN
	100 NM OF THULE	
--		
BETWEEN 6-9 JUNE, 2 FLIGHTS ARE PROPOSED IN THULE LOCAL AREA 2 HRS DURATION EACH - WITHIN 100 NM OF THULE		
--	THULE AB	11 JUNE VIA AIRWAYS TO WPAFB

-- AFTER 2 HR LOCAL  
-- FLIGHT - WITHIN 100  
-- NM OF THULE

11 JUNE WRIGHT PATTERSON  
-- AFB, OHIO

5. DEPARTMENT AWARE THAT THIS PROJECT NOT INCLUDED IN  
THE ANNUAL SUBMISSION PROVIDED TO EMBASSY BY STATE AIRGRAM  
A-308 OF 16 JAN 75. HOWEVER, IT WAS ONLY RECENTLY  
DETERMINED THAT TERMINAL COULD BE SUCCESSFULLY INSTALLED  
ABOARD C-141 AFTER CANCELLATION OF A PLAN TO PERFORM THE  
TESTS IN ANOTHER TYPE OF AIRCRAFT. SLIPPAGE TO ALLOW

MORE TIME FOR HOST CONSIDERATION IS NOT CONSIDERED  
FEASIBLE SINCE THE SCINTILLATION EFFECT IS AT ITS  
MAXIMUM AT THULE IN JUNE. THE TESTS PROPOSED ARE VERY  
SIMILAR IN NATURE, AND COMPLEMENTARY TO TEST CONDUCTED  
BY CAMBRIDGE RESEARCH LABORATORIES FOR THE PAST  
SEVERAL YEARS UNDER PROJECT 7663, RADIO PROPAGATION.

6. DATA FROM THE PROJECT WHICH REVEALS AFSATCOM SYSTEM  
PERFORMANCE CHARACTERISTICS, DEFICIENCIES, VULNERABILITIES,  
FREQUENCIES, MODULATION DATA, AND SIMILAR INFORMATION IS  
NOT RELEASEABLE. HARD COPY PRINTOUTS OF ALL TEST  
MESSAGES GENERATED ON THE AUTOMATIC SEND/RECEIVER  
PRINTER AND HANDWRITTEN DATA SHEETS WHICH PROVIDE EQUIP-  
MENT CONFIGURATION AND PERFORMANCE, AIRCRAFT POSITION  
AND ENVIRONMENTAL CONDITIONS ARE RELEASEABLE. THIS  
DATA MAY BE OFFERED TO HOST IF EMBASSY DETERMINES IT  
NECESSARY TO SECURE DIPLOMATIC APPROVAL.

7. REQUEST EMBASSY SEEK APPROVAL FROM HOST FOR OPERATING  
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RIGHT AS DESCRIBED HEREIN. KISSINGER

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** COMMUNICATION SATELLITES, AIR FORCE  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 26 MAR 1975  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Authority:** buchandr  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 28 MAY 2004  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1975STATE068575  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** MAJ GRAY;PM/ISO:FJFLEMINGS  
**Enclosure:** n/a  
**Executive Order:** AS WHEN FOREIGN GOVERNMENTS HAVE APPROVED THE RIGHTS  
**Errors:** N/A  
**Film Number:** D750106-1129  
**From:** STATE  
**Handling Restrictions:** n/a  
**Image Path:**  
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**Legacy Key:** link1975/newtext/t19750312/aaaaakxa.tel  
**Line Count:** 155  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ORIGIN PM  
**Original Classification:** CONFIDENTIAL  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 3  
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**Previous Classification:** CONFIDENTIAL  
**Previous Handling Restrictions:** n/a  
**Reference:** n/a  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** buchandr  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 09 MAY 2003  
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EO Systematic Review  
05 JUL 2006

**Review Media Identifier:**  
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**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** REQUEST FOR OPERATING RIGHTS, AIR FORCE SATELLITE COMMUNICATIONS SYSTEM (AFSATCOM)  
**TAGS:** MILI, OCLR, TGEN, GL  
**To:** COPENHAGEN  
**Type:** TE  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006